

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



Stephen O'Kane
AES Southland, LLC
690 Studebaker Road
Long Beach, CA 90803

April 15, 2013

Regarding: **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02)**
Staff's Data Requests, 104 through 106



Dear Mr. O'Kane,

Pursuant to Title 20, California Code of Regulations, section 1716, the California Energy Commission staff requests the information specified in the enclosed data requests. The information requested is necessary to: 1) more fully understand the project, 2) assess whether the facility will be constructed and operated in compliance with applicable regulations and 3) assess potential mitigation measures.

These data requests, numbered 107 through 109, are being made in the technical area of Air Quality. Written responses to the enclosed data requests are due to the Energy Commission staff on or before May 16, 2013.

If you are unable to provide the information requested, need additional time, or object to providing the requested information, please send a written notice to the Committee and me within 20 days of receipt of this notice. The notification must contain the reasons for the inability to provide the information or the grounds for any objections (see Title 20, California Code of Regulations, section 1716 (f)).

If you have any questions regarding the enclosed data requests, please call me at (916) 654-4640.

Sincerely,

for Felicia Miller
Siting Project Manager

Enclosure (Data Request Packet)
cc: Docket (12-AFC-02)

PROOF OF SERVICE (REVISED 3/26/2013) FILED WITH
ORIGINAL IN SACRAMENTO ON 4/15/2013
DLS

Huntington Beach Energy Project (12-AFC-2)
Data Requests

Technical Area: Air Quality

Author: Tao Jiang

AIR QUALITY MODELING

BACKGROUND

The 3-year meteorology data set used in the AFC and in several subsequent data responses has too many calm wind periods, which results in more than 10% missing hours when used in AERMOD. Staff usually accepts a maximum of 10 percent missing meteorology data, consistent with EPA guidance. The SCAQMD recently prepared a new, 5-year meteorology data set which meets EPA and SCAQMD requirements. In addition, the applicant has been using an ambient NO₂ ratio of 0.8 in the PVMRM option to model for compliance with the federal 1-hour NO₂ ambient air quality standard. It is staff's understanding that an ambient NO₂ ratio of 0.9 should be used according to EPA guidance unless a different ratio can be justified.

DATA REQUESTS

104. Please update all the modeling submitted on the project to date by using the new, 5-year meteorology data set provided by SCAQMD. The updated modeling should include construction modeling, commissioning modeling, operation modeling, and overlap periods as well as cumulative impact modeling.
105. Please justify the use of an ambient NO₂ ratio of 0.8 or update all 1-hour NO₂ modeling by using an ambient NO₂ ratio of 0.9.
106. Please ensure the newest AERMOD Version (Version 12345) is used consistently for all the above modeling and set the wind speed option as appropriate ("Vector" or "Scalar") to match the nature of the 5-year meteorological data set.



BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV

**APPLICATION FOR CERTIFICATION FOR THE
HUNTINGTON BEACH ENERGY PROJECT**

Docket No. 12-AFC-02

**PROOF OF SERVICE
(Revised 03/26/2013)**

SERVICE LIST:

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COMMISSION DOCKET UNIT

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1516 Ninth Street, MS-4
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**OTHER ENERGY COMMISSION
PARTICIPANTS (LISTED FOR
CONVENIENCE ONLY):**

***After docketing, the Docket Unit will
provide a copy to the persons listed
below. Do not send copies of
documents to these persons unless
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ANDREW McALLISTER
Commissioner and Presiding Member

KAREN DOUGLAS
Commissioner and Associate Member

Susan Cochran
Hearing Adviser

Hazel Miranda
Adviser to Commissioner McAllister

Patrick Saxton
Adviser to Commissioner McAllister

Galen Lemei
Adviser to Commissioner Douglas

Jennifer Nelson
Adviser to Commissioner Douglas

Eileen Allen
Commissioners' Technical
Adviser for Facility Siting

DECLARATION OF SERVICE

I, Diane L. Scott, declare that on April 15, 2013, I served and filed copies of the attached **HUNTINGTON BEACH ENERGY PROJECT (12-AFC-02), Staff's Data Requests, 104 through 106**, Dated April 15, 2013. This document is accompanied by the most recent Proof of Service, which I copied from the web page for this project at: http://www.energy.ca.gov/sitingcases/huntington_beach_energy/index.html.

The document has been sent to the other parties on the Service List above in the following manner:

(Check one)

For service to all other parties and filing with the Docket Unit at the Energy Commission:

- X I e-mailed the document to all e-mail addresses on the Service List above and personally delivered it or deposited it in the US mail with first class postage to those parties noted above as "hard copy required"; **OR**
- Instead of e-mailing the document, I personally delivered it or deposited it in the US mail with first class postage to all of the persons on the Service List for whom a mailing address is given.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am over the age of 18 years.

Dated: April 15, 2013


Diane L. Scott, *Project Assistant*
Siting, Transmission and Environmental Protections Division